

BARG Newsletter April 2025

Lest We Forget



***Ballarat Amateur Radio Group Inc. #6953T
April 2025 Monthly Newsletter***

**Next General Meeting BARG inc
11:00am, Saturday 31st May 2025
At the Airport - All Welcome**

Contacting us

BARG@BARG.ORG.AU

We're on the web.

www.barg.org.au

https://twitter.com/vk3_barg

<https://www.facebook.com/groups/VK3BML/>



The Next BARG General Meeting	4
Youth Net on the Link System.....	5
International Marconi Day (IMD).....	6
Mills on the Air 2025	8
100 years of The Royal Australian Corps of Signals	10
The VK3RBT CAVITIES - Latest Fire Proof Design	12
TO A GOOD HOME	13
Magazine Reviews	15
Amateur Radio Review Volume 93 Number 2	15
Silicon Chip Review April 2025.....	16
QST Review March 2025	17
SPRAT SPRING No 202 Review March 2025	19



Times and dates of nets as below

Club Nets: **VHF NET:** Every Tuesday Night at 8 pm on 146.750 MHz - VK3RBA

HF NET: Every Thursday Night at 8 pm on 3.608 MHz - VK3BML

6m NET: Every Tuesday Night at 8:30 pm on 53.650Mhz RX / 52.650Mhz TX - FM with a 91.5 tone - VK3RWU

LINKED REPEATERS: *The local VK3RBA-70cm repeater on Mt Buninyong is part of a network of linked repeaters covering North-Western Victoria.*

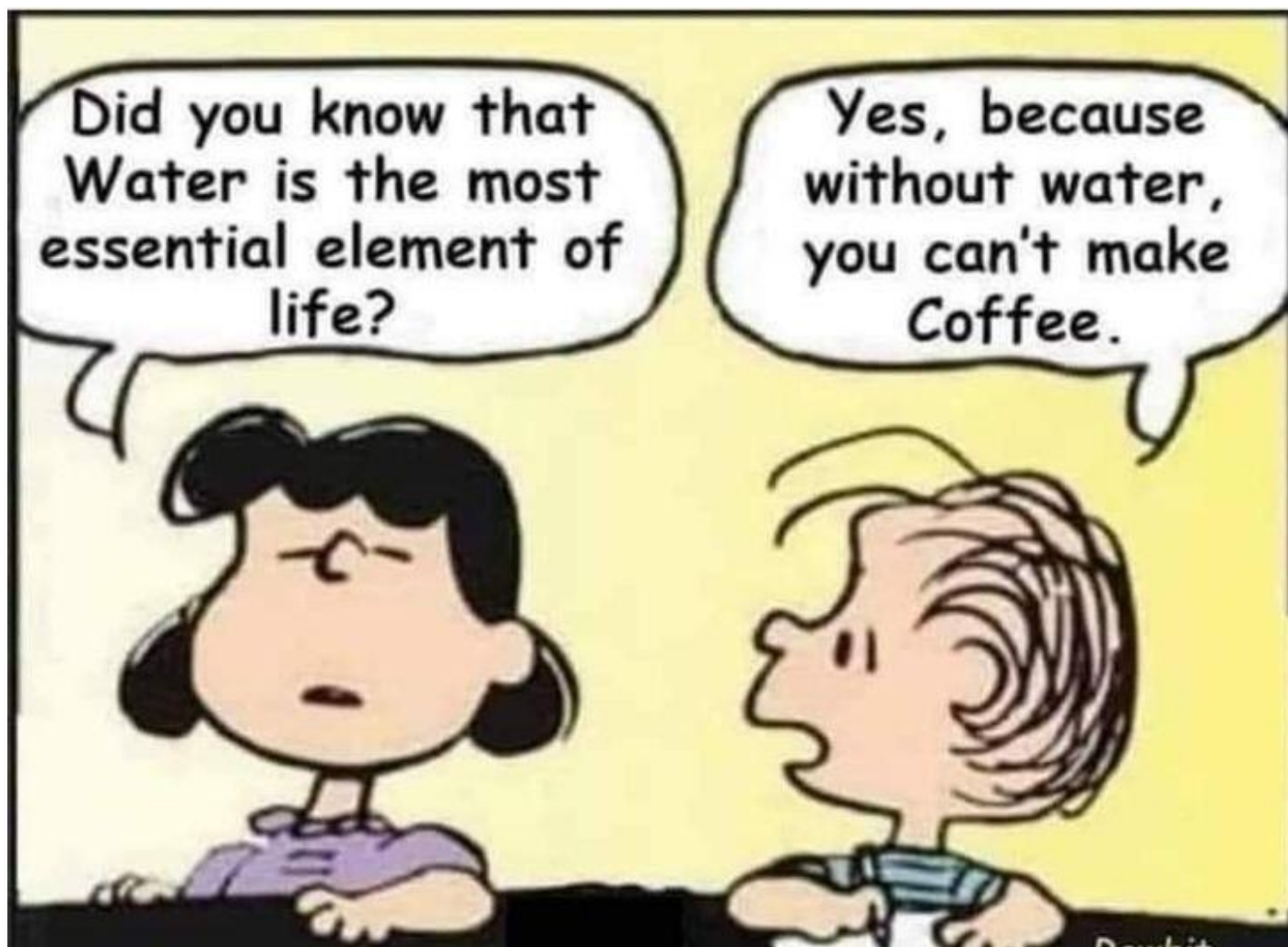
Access details for this repeater have recently changed.

For full details of this linked network and access details

see <https://www.grz.com/lookup/vk3rba>

You can listen to the system live <http://vk3rba.dyndns.org:441/>

This linked system may be accessed via IRLP node 9503



BARG inc. OFFICE BEARERS

President	Ben Daniel VK3NRD	Ordinary Member	Tom George VK3DMK
Vice President	Colin Consiglio VK3NCC	Ordinary Member	Ian Fairweather VK3YFD
Secretary	Peter Westgarth VK3APW	Ordinary Member	Doug Ellery VK3DRE
Treasurer	Chris Huggins VK3QY	Ordinary Member	David Martin VK3KQT
Ordinary Member	Craig Cook VK3KG	Ordinary Member	Mal White VK3OAK
Ordinary Member	Paul Black VK3TXR		

There will be no BARG
General
Meeting for April 2025

The Next BARG General Meeting

Saturday 31st of May 2025 11:00am



If you have any stories, projects, journeys that we would find interesting.

Anything topical to Amateur Radio, electronics, operating gear, communications, history, photographs.

Just a few lines and if possible some pictures will be a good start to a suitable article

Email to tomvk3dmk@gmail.com



JUNE 8th 2025

Mount Gambier SA

***SERG Annual Convention & Dinner – Sun 8th, plus the
Australian Fox-Hunt Championship Sat 7th & Sun 8th***



Scout Hall, 3 Margaret St.

Mount Gambier South Aust

Trade displays, home-brew
competition, trading tables,
Sunday night dinner (bookings
required)



www.serg.org.au Email bookings to sergconvention@gmail.com

Youth Net on the Link System

As some members will be aware, James VK3JFR has been getting a "Youth Group Net" going on VK3RBA link network.

The group net is now official.

0900UTC to 0930UTC Sunday nights 7:00pm to 7:30pm on the VK3RBA Network

13/4/2025 log;

VK3JFR James

VK3IKZ Isaac

VK3SRC Joe

VK3FAR Felix

VK3ASP Andreas

VK3XEM Check in check out



If you are on air, listen for this net and join in if you like.

<https://www.ham-yota.com/>



James has also been doing some upgrading.

I now have a HF set up. I have a Yasue ft-920 and an IC-718. My antenna is a Fan dipole for 40M and 20M bands. I am wanting to join in on the 80M net however I need an antenna for it. So my next goal is to make a half wave dipole and to try and get it up in the air somehow.



10:00AM EVERY THURSDAY MORNING BARG COFFEE CLUB ALL WELCOME



Food Seduction on Doveton
524 Doveton Street North, Ballarat North

INTERNATIONAL MARCONI DAY

GB4IMD

(organisers)

International Marconi Day (IMD) is a 24 hour amateur radio event that is held annually to celebrate the birth of Guglielmo Marconi on 25 April 1874.

The event is usually held on the Saturday closest to Marconi's birthday and this year it will be held on 26th April 2025 from 0000UTC to 2359UTC.

Selected Official IMD 2025 Stations

GB United Kingdom

- **GB4IMD** – Cornwall (Organisers)
- **GB4LD** – Lizard Wireless Station, Bass Point, Cornwall
- **GB2GM** – Poldhu ARC, Cornwall
- **GB0CMS** – Caister Marconi Station, Norfolk
- **GB0MGY** – Harlow RS, Essex
- **GB4MHS** – Museum of History & Science, Oxford
- **GB2MRS** – Marconi Receiving Station, Somerton, Somerset
- **GB8MD** – Telford & District ARD, Gwynedd
- **G2NM** – Amberley Museum ARC, West Sussex
- **G3SKY** – The Needles, Isle of Wight

IT Italy

- **IY0CG** – Castel Gandolfo (RM)
- **IY0GA** – Capo Figari, Sardinia
- **IY0IMD** – Forte Michelangelo, Civitavecchia
- **IY0ORP** – Osservatorio Geofisico di Rocca di Papa
- **IY0TC** – Torre Chiaruccia, Santa Marinella
- **IY1MR** – Rapallo (GE)
- **IY1SM** – Santa Margherita Ligure (GE)
- **IY1SP** – La Spezia – Museo Tecnico Navale
- **IY1TO** – “Gino Lisa” Mirafiori, Turin
- **IY4FGM** – Villa Griffone, Pontecchio Marconi
- **IY5PIS** – Coltano (PI)
- **IY6GM** – Monte Cappuccini (AN)
- **IY7M** – Molo San Cataldo (BA)
- **IY0MMR** – Forte Monte Mario, Rome
- **IY0M** – Santa Marinella, Rome
- **IY1TTM** – Tigullio Torre Marconi, Sestri Levante

us United States

- **W1WCC** – Chatham, Massachusetts, Cape Cod
- **W2GSB** – Babylon, Long Island, NY
- **K3S** – Nuclear Ship Savannah, Baltimore
- **KM1CC** – Cape Cod RC
- **W2RTM** – New Jersey Antique RC
- **K2M** – Marconi Tower, Binghamton, NY
- **K6KPH** – Maritime Radio Historical Society, California
- **W1AA** – Marion, Massachusetts – Marconi transmitter Building Site
- **W2RC/IMD** – Radio Central ARC, Rocky Point, New York

CA Canada

- **VO1IMD** – Signal Hill, Newfoundland

IE Ireland

- **EI3IMD** – Tramore, Coastguard Station
- **EI0MAR** – Martello Tower, Dublin
- **EI2WRC** – Rosslare, Co Wexford, Marconi House
- **EI7IMD** – Brow Head, Crookhaven

AU Australia

- **VK2IMD** – Hornsby & District ARC, Sydney

ES Spain

- **AO7IMD** – Cádiz

NL Netherlands

- **PA6IMD** – Gouda & District Section Vernon

AT Austria

- **OE25M** – ORF Centre, Vienna

VA Vatican City

- **HV1CN** – Vatican Radio

MT Malta

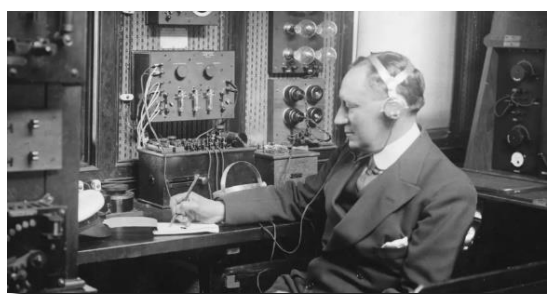
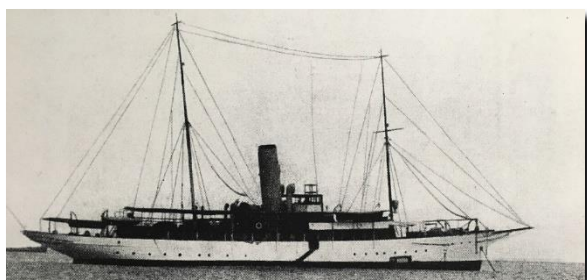
- **9H1MRC** – Marconi Amateur Radio Circle

FK Falkland Islands

- **VP8VPC** – Stanley

For the most current and complete list, please visit the [Official IMD Stations 2025 page](https://gx4crc.com/imd/). This list is regularly updated as new stations register.

<https://gx4crc.com/imd/>



Mills on the Air 2025



Brief History:

The Society for the Protection of Ancient Buildings (S.P.A.B) runs a Mills Celebration event every year, on or around the second weekend in May.

The Denby Dale Amateur Radio Club (Formerly Denby Dale Amateur Radio Society) have organised the Mills on the Air event since 1996.

An article by Jasmine G4KFP of how the event came into being can be found here; <https://www.nharg.org.uk/content/mota-history>

Without their hard work over the years the event would not have taken place and become a staple in many clubs radio events calendars.

So a huge thank you to the team at the former Denby Dale Radio Society for their hard work and for entrusting us to take the event into the future.

The event itself is not run as a contest. The aim is to bring together amateur radio operators and clubs to promote the hobby, whilst helping preserve some of the wonderful heritage of our Windmills and Watermills. However we will welcome any Tidal Mills, Treadle Mills or Horse Mills (with a wide variation of types within those!). There is a wealth of historic sites that the UK has to offer. It would be lovely to see a wide variety this year!

<https://www.nharg.org.uk/content/about-mills-air-mota>





BENDIGO TECHNOLOGY FESTIVAL

Prince of Wales Showgrounds Sunday 4th May

- Learning
- Building
- Making
- Displays
- Demonstrations
- Presentations

A Fun Day Out for Technology Enthusiasts of Every Age



10 am to 4 pm



Bendigo Amateur Radio & Electronics Club

"Committed to Technological Literacy and Community Service"

www.barec.net.au

100 years of The Royal Australian Corps of Signals



In 2025, the Royal Australian Corps of Signals ([RASigs](#)) will recognise its centenary year with a series of events and activities to commemorate and celebrate 100 years of the (Royal) Australian Corps of Signals, which reflects on our past, present, and future.

Events will be conducted throughout the year by Australian Regular and Part Time Signals units across Australia.

The culmination of the Centenary (Certa Cito 100) will occur in November 2025, with major events being planned for South East Queensland, Sydney, Canberra and Melbourne.

The commemorations and celebrations will build esprit de Corps and foster linkages between serving and former serving members and their families (the Australian Signals Community), RASigs Associations and industry. The Centenary should also foster and enhance our relationship and linkages to sister Corps and units across the British Army, Canadian Army, New Zealand Army and the United States Army.

"Australian Corps of Signallers" was formed on 12 January 1906. The Corps remained as a self-contained unit until 1911 when it was merged with Australian Engineers.

On 1 January 1925, the Australian Corps of Signals was formed and all Signals units were separated from the Australian Corps of Engineers.

Signallers have served in every major conflict since the First World War, from the Second World War to Korea, Vietnam, Western Sahara, Somalia, Cambodia and more recent deployments in the Middle East and the Pacific. Their expertise in skills such as electronic warfare, signals intelligence, telecommunications, information technology and cyberspace capabilities has been essential in warlike and humanitarian operations alike.



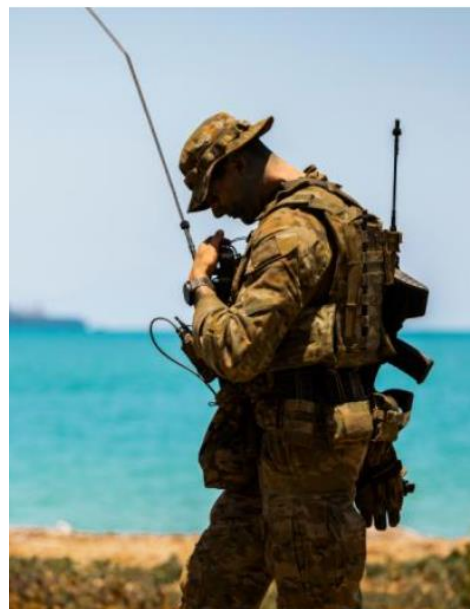
Beyond the battlefield, signallers have been instrumental in disaster relief, recently deploying to the Pacific to restore communications after natural disasters.

A number of special event amateur radio stations throughout Australia and possibly overseas by current and past members of the RASigs will be activated.

VI100SIG

VI100SIG will be active on the following frequencies from **14 February 2025**
Working Frequencies

Band	CW Frequency	SSB Frequency
80m	3.525	3.625
40m	7.025	7.100
30m	10.100	10.125
20m	14.125	14.225
17m	18.100	18.125
15m	21.100	21.225
12m	24.900	24.950
10m	28.100	29.100



More QSL details;

<https://www.facebook.com/VI100SIG/>

<https://www.qrz.com/db/vi100sig>

https://en.wikipedia.org/wiki/Royal_Australian_Corps_of_Signals#History



The VK3RBT CAVITIES - Latest Fire Proof Design



TO A GOOD HOME

Dr John, VK3CFH has the ideal item if you want to setup a portable or permanent antenna installation.

Also good if you have a field of vegies or vines.

Galvanized Quad-Pod Stand.



**Contact John VK3CFH or
Tom tomvk3dmk@gmail.com for John's phone number, voice ONLY.**

Play your part!!

Join today!

Community Service

Education & Examination

Representation

Bookshop

Publications

Technical Services



WIRELESS INSTITUTE OF AUSTRALIA ABN 36 004 820 745
Phone (03) 9729 0400
Email nationaloffice@wia.org.au

MEMBERSHIP APPLICATION

Send to **WIA Membership**
PO Box 2042
Bayswater VIC 3153

Mr/Mrs/Ms

Given Names

Family Name

Preferred Name

Street Address

City/Town State Postcode Country

Callsign Date of Birth dd/mm/yyyy

Occupation

Tick which period and fee.

Membership

☐ 1 year ☐ 5 year

Member ☐ \$95 ☐ \$451

Overseas Member ☐ \$105 ☐ \$500

Concession Member* ☐ \$80 ☐ \$380

Student** ☐ \$35

Additional Family Member*** ☐ \$36

* Please provide pension health benefits card number.

** Please provide evidence below of being a full-time student.

*** Please provide name and callsign of primary family member residing at the same address.

Provide concession details

.....
.....

Home Telephone

Work Telephone (optional)

Mobile Telephone (optional)

Email Address

I apply for membership of the Wireless Institute of Australia and agree to be bound by its constitution (available on the WIA Website).

I enclose ☐ Cash ☐ Cheque or ☐ Money Order for \$

or authorise payment of \$ by way of debit

to my ☐ MasterCard ☐ Visa Credit Card

CVC

Card No.

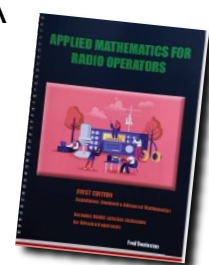
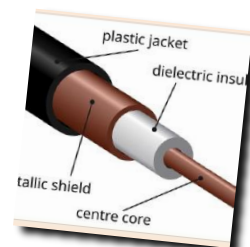
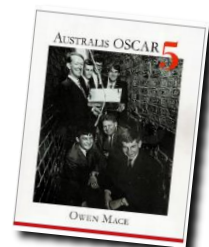
Expiry Date ____/____ Name on Card

Signature of Applicant Date ____/____

Magazine Reviews

Amateur Radio Review Volume 93 Number 2

- P4 Editorial. Roger VK2ZRH. Oscar satellites, University teams of students building satellites in the 1970s for the amateur radio service.
- P6 Your WIA working for you. 5MHz- the truth. Dale VK1DSH. The 5MHz band details and the involvement of the WIA, ACMA at the WRC-15 conference and its outcome.
- P12 WIA news. Bendigo Tech Fest, WIA AGM, repeater and beacon fees and Grids On The Air.
- P14 Trade Showcase. Rig Expert Match. Multi-function upgradeable antenna and cable analyser. Base frequency use 100kHz to 70MHz with upgrades available to 230MHz and 500MHz. 100mm TFT LCD screen, 480 x 480. Displaying SWR, R-X, and return loss with Smith Charts and Time Domain Reflectometry, Lithium Powered 2600mAh.
- P15 AO-7 the oldest man-made space object still working! Part 3. Rick VK5BGN, Jan VK4GEY, W3GEY. Redundancy in design, Doppler Shift and delivering Oscar to the launch site and the ultimate launch. A very concise list of contributors responsible to OSCARs' success.
- P21 On the birth of the IARU Region 3 Association. 1968 – an auspicious April for amateurs in Australasia. Story of the beginning of our region 3 union, the amateurs involved and the history so far to 2025.
- P25 Newcomers' Notebook. Jules VK3JFP. Transmission Lines – they are not all the same. Looks at construction, equivalent circuit and some basic calculations used when tuning your RF array.
- P29 DX Then & Now – 1925. QSL cards, the solar cycle, WSPR and propagation.
- P33 Is your station EMR safe? Phil VK2ASD. The concerns and a check list/diagram of how to evaluate your compliance to current EMR rules.
- P38 Building the ADX digi-modes HF Transceiver kit. Carmel VK2NO. The building and evolution of a portable FT8, FT4, IS8call and WSPR kit from basic modules for bands from 80m to 10m.
- P43 Trade Showcase. 10m DX Antenna. A half-wave vertical antenna specifically designed for 28.0MHz to 29.7MHz.
- P44 Product Review. 5760/432 MHz Transverter by SG. Kevin VK4UH. A concise review of the latest from the well known Bulgarian company.
- P49 Book Review. Applied Mathematics for Radio Amateurs, First Edition, Fred Swainston, VK3DAC, VK4FE. Phil VK2ASD. A book written to cover the maths needed for Foundation, Standard and Advanced level of qualification but also a handy reference for the licenced amateur.

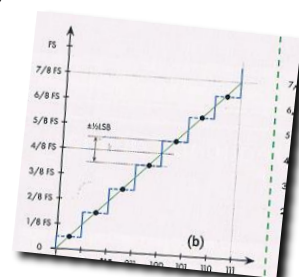


- P51 SKs. Jim VK2QA, Ken VK3DQW, Dean VL5HOG, Ian VK3BMO.
P52 Below 25. Alec VK2MV. Activities of our younger operators and new members.
P53 ALARA. Jenny VK3WQ. Reports from around the country, including the flood ravaged areas of the eastern states.
P56 2025 Australia Day Contest report. Diane VK4DI.
P57 WIA Contest Champion results for 2023. Peter. VK2PR.
P58 Ross Hull Memorial VHF-UHF Marathon Contest results. Peter VK3PF.
P60 Spectrum Horizons. Chris VK5MC. Moonbounce, 6M, Ross Hull.
P62 WestNews. Will VK6UU. LoRa 70cm [DX](#). [World LoRa](#) DX record.
P64 WIA DX Awards. Marc VK3OHM, VK3IP.
P66 Declaration of Election of Directors. Peter VK2LP



Silicon Chip Review April 2025

- P2 Editorial Viewpoint. Ferrite beads are not inductors.
P11 3D-MID and IMSE. David VK3DSM. Looks at Mechatronic Integrated Devices and In-Mould Structural Electronics. The history and development of this technology and its advantages in prototyping and manufacture.
P20 Mini Projects #024. Tim Blythman. Discrete 555 Timer. Building a 555 timer from basic components on a breadboard and looking at it operation.
P24 PICO/2/COMPUTER. Peter Mather and Goeff Graham. An upgrade of the PicoMite using the latest Raspberry Pi Pico, MMBasic, HDMI, USB sockets and an audio output.
P34 The Future of our Power Grid. Part2. Brandon Speedie. This part looks at the home domestic scene, batteries, grid stability, wind turbines and load control.
P45 Mini Projects #025. Tim Blythman. Weather Monitor. Using an Arduino UNO R4 with 2.5in colour LCD shield to display temperature and humidity.
P48 Antenna Analysis and Operation. Part 3. Roderick VK3YC. Continues with how to use Smith Chart software.
P58 Rotating Light for Models. Nicholas Vinen. A ring of LEDs programmed to flash in pre-programmed sequences like a lighthouse, emergency services with brightness control.
P64 Precision Electronics. Part 6. Digital to Analog conversion. Andrew Levido. Converting our analog world to digital with as few errors as possible and the methods to do it.
P72 433MHz Transmitter Module. Tim Blythman. Using 433MHz LIPD, (Low Interference Potential Device) to show the capabilities of these transmitters and how they work.
P80 Circuit Notebook. Wi-Fi 8x8 LED matrix display. Making dual triode valves interchangeable.

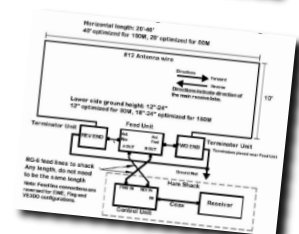


- P82 Power LCD Meter. Part 2. Phil Prosser. Assembly instructions, programming and setting up as well as tips on using the meter to its best.
- P90 Serviceman's Log. Dave Thompson. Digital cameras, Zoom G2 guitar effects. Honda Jazz fan controller.
- P96 Vintage Radio. Astor APK 4-Valve Superhet Radio. Jim Greg. A mantle radio of 1958, it came in many colour combinations, for the sum of 22gns or 5/6 weekly.



QST Review March 2025

- P9 Second Century A Callout to Radio Clubs. David A. Minster, NA2AA, ARRL Chief Executive Officer, na2aa@arrl.org. VK7HH and W1YSM forwarding the cause and visibility of amateur radio.
- P12 Member Spotlight. Bob Ideker, WB5BI.
- P20 Up Front. An Edible Heathkit SB-102. This Yaesu FRG-9600 Takes the Cake. A Delicious Elecraft K4D.
- P30 Build a Portable FM Satellite Station. Jim DeLoach, WUØI. The gear and knowhow of portable satellite operation.
- P33 A Linear Amplifier for QRP Rigs. James Forkin, WA3TFS Modifiable for any band, this design uses RF switching and can turn a 5 W input into a 20 W output. A compact unit ideal for portable/mobile operation.
- P36 A 6-Meter Turnstile Antenna. Bill Gerhold, K2WH. If you don't have much room, but want to get on 6 meters, this may be the antenna for you. Construction and tuning of the $\frac{1}{4}$ wave delay lines and its operation in a small area.
- P39 Product Review. Unified Microsystems BevFlex-4X Receive Antenna System. A Beverage Antenna system, designed for 160M, 80M and 40M showing great performance.
- P44 Product Review. Frequency Devices TEC-1 Test Equipment Calibrator. The TEC-1 permits checking the calibration of voltmeters, current meters, frequency counters, oscilloscopes, and resistance and capacitance meters.
- P46 Product Review. Hanmatek HM310, Wanptek DPS3010, and Siglent Technologies SPD3303C: Bench Power Supplies. A double review of a scope and power supply. Hanmatek HM310 This adjustable dc power supply (0 – 30 V, 0 – 10 A) has digital display and at a good low cost with 5V USB output. Wanptek DPS3010 is a similar supply offering the same power output however outputting some HF noise. Siglent Technologies SPD3303C power supply. Three output channels, 2 channels 30V at 3.2A, the third is a switchable supply for 2.5, 3.3, or 5 V at 3.2 A.
- P51 Ask Dave. SWR Meters, Antennas, and the Ionosphere. When SWR Meter Readings Don't Agree. Do Not Transmit into Receive-Only Antennas. Don't Forget the Ionosphere.
- P53 Hints & Hacks. A Flip-Flop Mount; Paint on Aluminium and Plastic; Keep Wire Ends from Flying. Many hints and mods to do to your equipment for better or easier performance.



P55 The Amateur Radio Challenge Course Test your club's handheld know-how with this five-objective exercise. The Stones River Amateur Radio Club developed a way to get operators familiar with the facilities on their modern hand-helds with a fun course on hand-held operation.

P58 Vacation on Pitcairn Island This relatively rare DX entity was the site of this ham's life-changing holiday-style operation. Mike Collis, WA6SVT/VP6MC. A family vacation that turned into a DX-pedition and then resulted in Mike and family seeking permanent residency on the island in his retirement.

P60 Antipodal Focusing. John Stanley, K4ERO Chasing the ultimate DX may be easier than you think due to this natural phenomenon. An antipode is the area on Earth exactly opposite to where you are or where you are talking about. This article discusses the method and madness of seeking this sort of propagation.

P62 When ARRL Field Day Becomes Theatre. A surprise collaboration blends technology and the performing arts. Kevin Potter, KD9YYO. The story of the 415 Amateur Radio Club of Crystal Lake, Illinois, having its first ARRL Field Day in 2018 and its involvement in a stage play featuring amateur radio.

P65 Get Ready for "Ham Radio Open House" on World Amateur Radio Day 2025. Sierra Harrop, W5DX, Public Relations and Outreach Manager. About the invite by the ARRL to promote amateur radio science and technology, and to honor the 100th anniversary of the International Amateur Radio Union (IARU), ARRL is inviting radio clubs and schools to organize a Ham Radio Open House in April, centred around World Amateur Radio Day on April 18, 2025. One Million Acts of Science. ARRL has teamed up with Ham Radio Science Citizen Investigation (HamSCI) and the science community organization SciStarter to invite the public to participate in One Million Acts of Science during April, which is Citizen Science Month.

HamSCI and SciStarter Collaborations HamSCI (www.hamsci.org) has built a community by connecting radio amateurs and citizen scientists in ionospheric research. The Solar Eclipse QSO Parties held during the 2023 annular eclipse and the 2024 total solar eclipse provided significant data for researchers studying the ionosphere's response to the eclipses, wrapped into fun operating events.

P67 Happenings FCC Upholds Record \$34,000 Forfeiture Against Amateur Licensee. Sierra Harrop, W5DX, sharrop@arrrl.org. Ham Radio Operators Serve During California Firestorms. ARRL Teachers Institute Coming to a Town Near You. ARRL Launches Dream Station Sweepstakes. CWops Announces 2024 Advancing the Art of CW Award Recipient.

P70 Public Service. Simulated Emergency Foxhunt. Ellwood (Woody) Brem, K3YV. Details of an emergency drill combined with an amateur radio foxhunt.

P72 Contest Corral March 2025.

P74 Volunteer Monitor Program Report.

P76 The 2024 IARU HF World Championship Results.

P80 The April 2025 ARRL Rookie Roundup — Phone 1800 UTC – 2359 UTC, Sunday, April 13. The Rookie Roundup event is meant to encourage newly licensed operators



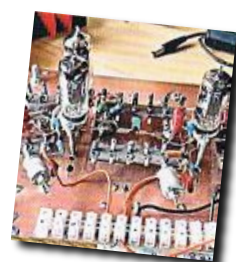
to get on the HF bands and experience competitive amateur radio. This is a great way for clubs to get their newer members on the air, and the perfect opportunity to mentor new licensees.

- P83 Club Station. Teaming Up for Radio Merit Badges.
- P85 Ham Media Playlist KK6USY Ham Radio Adventures. Creating a YouTube channel. Antenna builds.
- P86 How's DX? VU4 — The Andaman and Nicobar Islands.
- P88 The World Above 50 MHz New Year's 6-Meter F2, the Quadrantids, and Another Solar Peak.
- P98 Classic Radio. The Last New Hammarlund: The HQ-200.
- P100 100, 50, and 25 Years Ago.



SPRAT SPRING No 202 Review March 2025

- P2 Editorial. Convention 30th, 31st August 2025, EU compliances.
- P3 Solar Powered Transmitter. Jonny SM7UCZ (SK). QRP tx powered by three small PV panels charging three 2/3 AAA Nicads.
- P4 2024 G3RJV Memorial Trophy Winner. The Parker 1 Portable HF Tx. Daimon G4USI. Uses an Arduino Nano controlled VFO and can be used on 160 thru to 10 with appropriate LP filters.
- P9 2024 G3RJV Memorial Trophy Runner-Up. QRP Battery Pack with Buck-Boost DC Regulator. Andrew W5AWS. Designed to keep your QRP rig output constant and constructed in a portable configuration.
- P12 Gabil GRA-7350T Portable HF Antenna. John VE3IPS. Review of a commercially available vertical antenna.
- P15 Antenna end fittings. Andy M0RON. Using some tackle shop products to help tune in the field wire antennas.
- P16 Supereth Valve Receiver "Partridge". Goivanni IT9TZZ. A four valve superhet receiver designed or 40m.
- P21 Surprising QRPp. Ken ZB2MD. Using a Quansheng on 21MHz QRP.
- P22 The Value of Insertion Loss. Howard W5OM. Looks at toroid networks and measuring the losses in the various configurations.
- P24 SIERRA revisited: BM10. Raimund DL1EGR. A rebuild and details of the updated SIERRA QRP transceiver.
- P25 Another Source for Crystals. www.3rdPlanetolar.com
- P26 A Not So Dim Bulb. Steven M0YTT. A mod to a classic series bulb current limit circuit.
- P27 Valved QRP News. Paddy G4MAD. Looks at some project built by members.
- P30 Communication & Activity Report. Enzo M0KTZ. Reports from across the world from G-QRP members.
- P34 Members' news. Chris G4BUE. Gear and shack reports from members..





Ballarat Amateur Radio Group Inc
Registration Number A0006953T
ABN 44 247 200 143
Application for Club Membership

This completed document should be emailed to the Secretary at BARG@BARG.ORG.AU, or brought along to a face to face meeting.

Surname: _____ **Given Names:** _____

Callsign: _____

Are you a financial member of WIA?: Yes No

Partner's Name: _____

Residential Address: _____

Postcode: _____

PostalAddress: _____
(If different to above) **Postcode:** _____

Telephone;
(Work) _____ (Home) _____ (Mobile) _____

EmailAddress _____

Unless otherwise requested, Newsletters and Club information will be sent to your email address.
If the Club decides to publish a Club Directory, are you willing to have the above information included? Please indicate: **Yes No**

By applying for membership I indicate my support of the purposes of the Association and agree to comply with the Association rules in effect.

Applicant's Signature: _____ **Date:** _____

Proposed By: _____ **Callsign:** _____ **Date:** _____

Seconded By: _____ **Callsign:** _____ **Date:** _____

--ooOOoo--

Presented to Committee: _____ **Decision:** Accept / Reject

Fee Paid: \$ _____ **Date:** _____ **Receipt No(if applicable:)** _____

Entered into Membership Register: _____ **Secretary:** _____